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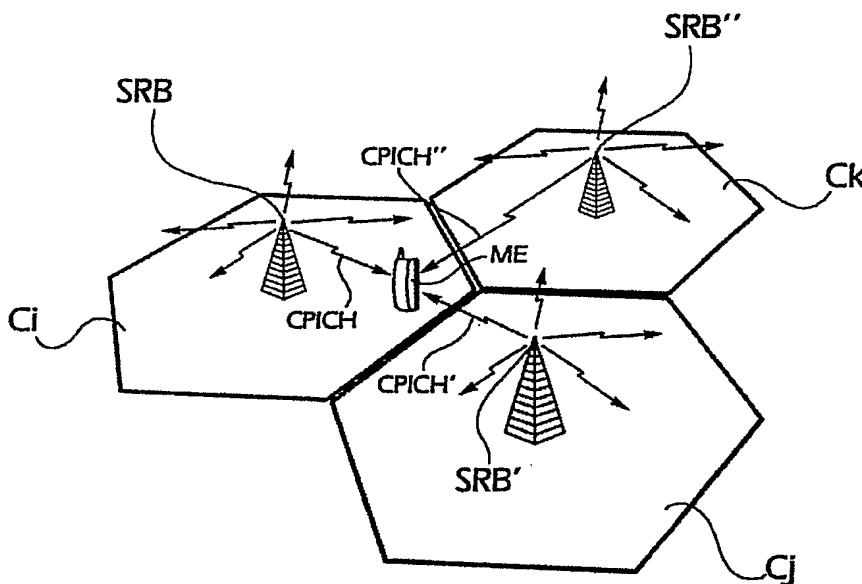
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(54) Title: METHOD, SYSTEM AND COMPUTER PROGRAM FOR PLANNING A TELECOMMUNICATIONS NETWORK



(57) Abstract: Method for planning a telecommunications network for radio equipment including a plurality of cells distributed on a geographic area, each one of which comprises a set of elementary territory areas (pixels) adapted to receive a radio signal radiated by a respective fixed Radio Base Station, wherein a radio equipment (ME) located in a cell ( $C_i$ ) is subjected to receive signals from common pilot channels (CPICH, CPICH', CPICH'') broadcast by a plurality of radio base stations (SRB, SRB', SRB''). The method includes, for each cell ( $C_i$ ), the estimation of the interference level provided by nearby cells ( $C_j$ ,  $C_k$ ) to the traffic offered to pixels of the cell ( $C_i$ ), related to the power difference between pilot channels (CPICH) broadcast by the base station

(SRB) of the cell ( $C_i$ ) and pilot channels (CPICH', CPICH'') broadcast by base stations (SRB', SRB'') of nearby cells ( $C_j$ ,  $C_k$ ). Such estimation is obtained depending on the amount of traffic expected in the examined pixels.

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